

Claims

*July 16, 1981*

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1. A method for removing honeycomb and braze from a substrate, said honeycomb having a base and a ribbon direction, comprising: directing a pressurized liquid at an angle of less than about  $90^\circ$  between the liquid and the substrate, through at least one orifice of a nozzle such that the liquid forms a liquid stream which strikes the substrate at the base of the honeycomb, thereby removing the honeycomb and braze from the substrate.
2. A method as in Claim 1 further comprising the step of forming a laminar liquid flow out of the nozzle, wherein said nozzle has an orifice and a bore which connects said orifice to a liquid supply, with said bore having sufficient length such that a flow of liquid from said liquid supply attains a laminar flow prior to exiting said orifice.
3. A method as in Claim 1 wherein the pressure of the liquid is above about 20,000 psi (about 1379 bar).
4. A method as in Claim 1 wherein the pressure of the liquid is above about 30,000 psi (about 2068 bar).
5. A method as in Claim 1 wherein the pressure of the liquid is about 35,000 psi (about 2413 bar) to about 60,000 psi (about 4137 bar).
6. A method as in Claim 1 wherein said angle is about  $35^\circ$  to about  $65^\circ$ .
7. A method as in Claim 1 wherein said angle is about  $40^\circ$  to about  $60^\circ$ .
8. A method as in Claim 1 wherein said liquid stream strikes the base of the honeycomb in the ribbon direction.